

URBAN DISTRICT



OF CLECKHEATON

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH.

YEAR ENDED 31st DECEMBER, 1910.

J. A. SUTHERLAND, M.B., C.M.,

MEDICAL OFFICER.

31st
Dec.,
1910.

STATISTICAL MEMORANDA, 1910.

Population, 1891	...	...	...	...	11826
„ 1901	...	...	...	...	12520
„ estimated to middle of 1910				...	13135
Inhabited Houses at end of 1910			...	...	3266
Density of Population		...	...		7·4 per acre.
Acreage	...	...	1755	acres.	
Births No.	...	...	254		
Birth Rate	...	...	19·33		
Deaths No.	...	...	164		
Death Rate	...	...	12·48		
Other Death Rates:					
Cancer	...	...	...	...	·68
Zymotic (seven principal diseases)				...	·53
Respiratory (excluding Phthisis)				...	2·05
Phthisis	...	...	...	...	·45
Infantile Mortality per 1000 Births				...	133·8
Total Rainfall	...	...	...		32·45 inches.

VITAL STATISTICS FOR ENGLAND AND WALES.

ITEM.	England and Wales.	Great Towns 76	Smaller Towns 142	England and Wales less the 218 towns.
Birth Rate	24·8*	25·0	23·7	25·0
Death Rate	13·4*	13·4	12·4	13·6
Zymotic Death Rate	0·99	1·23	·88	·74
Infantile Mortality per 1000 Births	106*	115	104	96
	*Lowest on Record.			

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910

TOWN HALL,

CLECKHEATON,

8th Feb., 1911.

***To the Chairman and Members of the
Urban District Council of Cleckheaton.***

GENTLEMEN,

I have great pleasure in laying before you my Fifth Annual Report on the Health and Sanitary condition of the District for the year ending 31st December, 1910.

With the advent of the Housing, Town Planning &c. Act and the orders relating thereto, and the New Order (Dec., 1910) as to duties of Medical Officers of Health and Inspectors of Nuisances—the work of these Officers will be largely increased.

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT:

The Urban District of Cleckheaton embraces an area of 1755 acres and is roughly triangular; the sides about two miles in length. The population of the Cleckheaton Ward is principally at the Southern angles. Scholes at the West and Oakenshaw at the North. The intervening land being chiefly agricultural.

The surface is undulating with a general fall to the S.E.

The greater part of the district has a natural drainage to the Spen Beck and the remainder to Blacup Beck.*

The Bed of the Spen is about 240 feet above sea level and the highest part of the District is at Westfield where the elevation is 576 feet.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

The industries carried on are of a very varied character and this in a great measure contributes to its uniform prosperity the chief of these is that of Worsted Spinning.

Card Clothing Manufacture is also a most important industry and had its origin here. Cable and fine Wire Drawing has in recent years developed into a very considerable department of trade.

Ironfounding and Machine making is extensively carried on.

Brace and Belt Manufacturing provides a good deal of employment.

Leather Currying, Chemical Manufacturers, Motor Cycle and Art Printing Works are other trades that give employment.

* Geologically the District is on the Coal Measures with Surface Clay and Shales.

The Coal Measures are hardly the best sites for building as the clays are impervious and hold the water on the surface.

The year has again been a healthy one—probably due to the wet summer. The rainfall was practically the same as the year before when the freedom from all Zymotic diseases was most marked.

Hot and dry summers no doubt we shall have again and our roads then will give up their crop of dust, to the detriment of the general health.

I have carefully noted Balme Road which has been treated on the tarviated system and how successful it seems to be.

31st
Dec.,
1910

I should like to see more of our central roads treated in that or some similar dustless system at a very early date and I am sure the benefit to the health of the community would be marked.

Infectious Diseases have been few, the notifications only numbering 35. The incidence of Scarlatina was greatest in Scholes where sporadic cases kept cropping up.

Measles and Pertussis were prevalent early in the year and interfered with School Work especially at St. Luke's and Westgate Infants' Schools.

As in the previous two or three years a considerable number of Privy Closets have been converted into Water Closets; there are still a large number that might with great advantage be changed.

The work of this nature that has been so long in hand at Moorend is I am glad to say progressing and the improvement in the work done is most marked.

The Streets that have been paved are an object lesson and should convince the most casual observer of the great benefit to those who reside in those Streets. Union Street, Iron Street, Lime Street &c. are examples that call for attention.

There are also many yards that require attention.

The Webb Destructor Lamps are doing good work one has been erected at Scholes, a few more could with much advantage be put in operation.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

Our Milk Supply on the whole is fairly good, the samples that I have tested have all been fairly good. One sample however contained a considerable quantity of extraneous matter. Consumers have a right to insist upon cleanliness at the fountain head of supply. They have, however, a duty to themselves and if there is any deposit in the Milk complaint should at once be made to the dairyman. Milk vessels should immediately after use be rubbed and washed only with cold water and then dipped into boiling water and left there for some time.

The Storage place should be a well ventilated clean and cool pantry or cellar and not kept in a warm and dusty kitchen.

All milk should be kept in covered vessels to prevent the entrance of flies and dust for it is a mistake to suppose that milk will not keep sweet if it is covered.

No provision has yet been made by the placing of wire baskets in the streets for the reception of orange peel, banana skins, paper, &c., such receptacles would do much to keep the streets in a better state.

In April the Census is to be taken. I hope before that time the streets shall have been properly numbered. A convenience for everyone ; at present it is extremely difficult in many cases to locate houses for reference purposes.

I think we shall find that our population is underestimated.

POPULATION.—The population was estimated at the middle of the year at 13135, an increase on the previous year of 65. The population is distributed in the three Wards as follows:—

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

Cleckheaton	...	...	10,700
Scholes	...	...	1,775
Oakenshaw	...	...	660
TOTAL			13,135

BIRTHS.—The total number of births registered during the year was 254, an increase of 1 on the preceding year. Of those infants 131 were males and 123 females. The total birth rate was 19·33, a decrease of 0·02 on 1909. The rate for the whole of England and Wales was 24·8 per 1000, and the ratios of the past seven years were as follows:—

Year.	Number.	Rate per 1000.
1904	278	21·84
1905	278	21·72
1906	260	20·20
1907	267	20·64
1908	259	19·92
1909	253	19·35
1910	254	19·33

The numbers and rates for each Ward are as follows:—

Ward.	Rate per 1000. 1910.	Rate per 1000. 1909.	Rate per 1000. 1908.	Rate per 1000 1907.
Cleckheaton	207...19·34	198...18·58	216...20·37	216...20·48
Scholes	35...19·71	43...24·43	34...19·42	42...24·13
Oakenshaw	12...18·18	12...18·32	9...13·84	9...13·95

ILLEGITIMACY.—The number of Illegitimate Births registered was 7, an increase on the previous year of 2. This number is equal to a percentage of all births of 2·75.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

QUARTERLY RETURNS OF BIRTHS.

		Males.		Females.		Totals
First Quarter	...	28	...	24	...	52
Second „	...	36	...	36	...	72
Third „	...	33	...	28	...	61
Fourth „	...	34	...	35	...	69
TOTALS		131		123		254

DEATHS.—The total number of deaths registered during the year was 165. Eight deaths occurred in the North Bierley Joint Hospital (Bradford residents). These have to be deducted. On the other hand I have notices of the deaths of 7 Cleckheaton residents who died out of the district. The corrected number therefore becomes 164, an increase of 11 on last year. Of these deaths 85 were males and 79 females.

QUARTERLY RETURNS OF ~~BIRTHS~~ ^{DEATHS}.

		Males.		Females.		Totals
First Quarter	...	26	...	19	...	45
Second „	...	17	...	21	...	38
Third „	...	21	...	18	...	39
Fourth „	...	21	...	21	...	42
TOTALS		85		79		164

The total annual death rate is equal to 12·48, an increase of ·78 on the year before. The rate for England and Wales for the same period is 13·4 (*lowest ever recorded*).

MEDICAL OFFICERS ANNUAL REPORT.

31st
Dec.,
1910.

COMPARATIVE TABLE FOR THE PAST TEN YEARS.

1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.
16.93	13.34	12.88	15.71	14.53	15.07	11.13	13.61	11.70	12.48

Average for 10 years 13.73.

The separate numbers and rates for each Ward were as follows:—

	1910.		1909.		1908.	
	No.	Rate per 1000.	No.	Rate per 1000.	No.	Rate per 1000.
Cleckheaton ...	145	13.55	129	12.10	154	14.52
Scholes ...	16	9.01	17	9.65	19	10.92
Oakenshaw ...	3	4.54	7	10.68	6	9.23

INFANTILE MORTALITY.—The number of Infantile Deaths registered, *i.e.*, of children under one year of age, was 34, an increase of 8. This equals a percentage of all deaths of 20.73, a percentage of all births of 13.38, and a total annual death rate of 2.58. The Infantile Mortality is therefore 133.8, this being the rate per 1000 births as compared with 102.7 for last year, and with 106 for England and Wales.

RATES FOR THE PAST SEVEN YEARS.

1904.	1905.	1906.	1907.	1908.	1909.	1910.
158.2	136.5	130.7	89.8	115.0	102.7	133.8

On analysing the figures we get the following results:—

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

				1910.	1909.	1908.
Premature Birth and Deficient Vitality						
at Birth	...	...	...	9	9	6
Bronchitis	...	...	...	5	2	7
Diarrhoea	...	...	...	1	0	3
Meningitis	...	...	...	1	0	3
Convulsions	...	...	...	11	5	3
Tuberculosis	...	...	...	3	0	0
Whooping Cough	...	...	...	3	1	1
Other Diseases	...	...	...	1	9	7
TOTAL				34	26	30

This rate is very high and the only conclusion that can be drawn is that we are not doing all that ought to be done in the matter. When the Notification of Births' Act is adopted I hope for a better state of affairs.

The nurse appointed will visit all the houses where births are notified and give advice on the care and feeding of infants and leave a printed card of instructions. The dummy teats so much in use have much to answer for. I constantly see them picked up from a dirty floor and pushed into the infant's mouth without the least attempt at cleansing them.

In many houses there is inadequate accommodation for the storage of food; how often one sees the milk supply in the cupboard next the fire or on the sink stone and received in vessels that are far from clean.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

Under the Children's Act, open fireplaces must have an effective fire guard: where a child gets burned for the want of one, parents are liable to a heavy fine. There are many homes where a fireguard is wanting.

Over one year and under five years of age the number of deaths was 16, an increase of 9. This gives a percentage of all deaths of 9·75, a percentage of all births of 6·29, and a total annual death rate of 1·21. The total number of deaths therefore of children under 5 years of age was 50, an increase of 17 on the previous year. This number is equal to a percentage of all deaths of 30·48, to a percentage of all births of 19·68, and a total annual death rate of 3·80, as compared with 2·52 in 1909, 3·23 in 1908 2·70 in 1907, 5·36 in 1906, and 3·97 in 1905.

TABULAR STATEMENT OF DEATHS AT ALL AGES.

Age	0-1	1-5	5-15	15-25	25-65	65 and upwards
1910...	34	16	5	2	61	46
1909...	26	7	3	4	62	51
1908...	30	12	10	11	59	55
1907...	24	11	5	5	38	61
1906...	34	36	19	10	49	56
1905...	38	12	8	14	59	57

SENILE MORTALITY.—The total number of deaths over 70 was 33, an increase of 4. Of these 13 were males and 20 females. The combined ages equal 2544 years, or an average of 76·96. The oldest inhabitants who died were a female, aged 89 and a male aged 83.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

CAUSES OF DEATHS.

ZYMOTIC DISEASES.—From Zymotic Diseases 7 deaths occurred, an increase of 4 from last year.

1910.				1909.		
DISEASE.	No. of Deaths.	Percentage of all Deaths.	Death Rate for 1910.	No. of Deaths.	Percentage of all Deaths.	Death Rate for 1909.
Small Pox ...	0	0·00	0·00	0	0·00	0·00
Measles ...	2	1·21	0·15	0	0·00	0·00
Scarlet Fever ...	0	0·00	0·00	1	0·65	0·07
Diphtheria ...	1	0·60	0·07	0	0·00	0·00
Whooping Cough	3	1·82	0·22	2	1·30	0·15
Enteric Fever ...	0	0·00	0·00	0	0·00	0·00
Diarrhoea ...	1	0·60	0·07	0	0·00	0·00
TOTALS ...	7	4·26	0·53	3	1·95	0·22

These 7 deaths are equal to a percentage of all deaths of 4·26, and to a total annual death rate of ·53. In 1909 the rate was ·22. For the year 1910 the rate for England and Wales was 0·99.

MORTALITY FROM SOME OTHER DISEASES.

DISEASE.	No. of Deaths.	Per cent of all Deaths.	Death Rate for 1910.	No. of Deaths.	Per cent of all Deaths.	Death Rate for 1909.	No. of Deaths, 1908.	Death Rate for 1908.
Phthisis ...	6	3·65	0·45	6	3·92	0·45	9	0·69
Disease of Respiratory Organs	27	16·46	2·05	36	23·52	2·75	35	2·69
Heart Disease ...	29	17·68	2·20	12	7·84	0·91	22	1·69
Bright's Disease...	1	0·60	0·07	5	3·26	0·39	3	0·23
Influenza ...	1	0·60	0·07	0	0·00	0·00	0	0·00
Cancer ...	9	5·48	0·68	10	6·53	0·74	15	1·15
TOTALS ...	73	44·47	5·52	69	45·09	5·27	84	6·45

31st
Dec.,
1910.

PHTHISIS:—Sanitary Authorities everywhere are working energetically to combat this scourge and with much success, as shown by the steady decline in the number of deaths from this disease.

Our Death Rate is comparatively low (the same as last year) and by continued efforts in teaching the people the necessity of avoiding overcrowding and allowing as much sunshine and fresh air into bedrooms, care in the disposal of tubercular sputum—refraining from indiscriminate spitting—it would be lower still. During the past summer I made again a series of observations between 10 and 12 a.m., and found out of 721 bedroom windows only 97 were open at all.

“Closed windows are open enemies to consumption—your lungs can't be washed but they can be aired.”

The disinfection of rooms occupied by tuberculosis cases is carried out in all cases, but with no notification of the disease. I only know of some cases from the Registrar's Monthly Returns. It would be better if some arrangement could be made for an earlier notice of all deaths from this disease.

CANCER has caused 9 deaths as compared with 10 last year, all the deaths occurred in the age period 25—65.

The number of Inquests held during the year was 10 as compared with 7 in 1909, 9 in 1908, 4 in 1907, 6 in 1906, and 8 in 1905. Six of the cases arose from accidents, one from suicide and three from natural causes.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

MORTUARY.—The Mortuary has been used three times during the year and on two of the occasions post mortem examinations were performed.

DISPOSAL OF THE DEAD.—19 Interments have taken place in the Cemetery in Whitechapel Road. Total since its opening, 150.

SANITARY ADMINISTRATION.

NOTIFICATION OF INFECTIOUS DISEASES.—The Notifications of Infectious Diseases received number 35, as compared with 17 in 1909, 47 in 1908, 50 in 1907, 147 in 1906, 105 in 1905, 99 in 1904 and 125 in 1903. Scarletina 28; Diphtheria 1; Enteric Fever 4; Erysipelas 2; Puerperal Fever 0. Of these notifications, 25 occurred in back-to-back houses and 10 in through houses.

DISTRIBUTION AND COMPARATIVE STATEMENT FOR THE PAST THREE YEARS.

WARD.	Scarlatina			Enteric Fever,			Small Pox			Erysipelas			Diphtheria		
	1910	1909	1908	1910	1909	1908	1910	1909	1908	1910	1909	1908	1910	1909	1908
Cleckheaton ...	12	9	30	4	0	3	0	0	0	1	1	8	1	1	3
Scholes ...	14	2	1	0	0	0	0	0	0	1	0	0	0	0	0
Oakenshaw ...	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTALS ...	28	15	31	4	0	3	0	0	0	2	1	8	1	1	4

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

TABLE OF CASES SENT TO HOSPITAL.

WARD.			Scarlatina		Small Pox		Enteric Fever.		Diphtheria	
			1910	1909	1910	1909	1910	1909	1910	1909
Cleckheaton	...	...	9	8	0	0	2	0	1	1
Scholes	...	...	13	1	0	0	0	0	0	0
Oakenshaw	...	...	2	4	0	0	0	0	0	0
TOTALS			24	13	0	0	2	0	1	1

The Erysipelas cases were not eligible for hospital treatment. Of the remaining 33 cases, there were removed 27, or 81·81%

REMOVAL PERCENTAGE FOR PAST SIX YEARS.

1905	...	1906	...	1907	...	1908	...	1909	...	1910
90%	...	83·8%	...	76·08 %	...	81·08 %	...	87·5 %	...	81·81 %

HOSPITAL ACCOMMODATION.—The North Bierley Joint Hospital received all the cases and they received every attention there.

The Small Pox Hospital is kept ready for immediate use but fortunately it has not been required.

WATER CLOSETS, ETC.,—During the year 76 overhead flushes were erected.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910

SANITARY WORK.—Taken from form 572:

CLASS OF BUILDING.	No.	SANITARY CONDITION.
Common Lodging Houses ...	0	
District Council's Slaughter-house	1	Good.
Private Slaughter-houses ...	9	do.
Workshops	76	Clean and not overcrowded
Workplaces	19	do. do.
Bakehouses	18	All in satisfactory condition
Fried Fish Shops	13	do. do.
Cowsheds	42	Fairly satisfactory.
Offensive Trades	0	

INSPECTION WORK.

	1910.	1909.	1908.	1907.
Houses inspected	200	190	150	160
Factories	250	200	150	180
Privy Middens removed ...	13	41	12	32
Earth Closets erected	0	3	0	19
Water Closets erected	76	74	69	26
Waste Water Closets erected ...	0	0	6	1
Drains, &c., Flushed (using 120,000 gallons of water)	171	161	168	150
Air Shafts erected	14	10	10	10

I would recommend that after an air shaft has been in use for two years it should be opened and cleared out as it is found that after that period they are apt to be at least partially blocked.

HOUSE ACCOMMODATION.—24 new houses have been built and certified for occupation during the year. All are through houses, most of them being cottages; but there were also several villas and a large club. All are provided with W.C.'s.

BACTERIOLOGICAL ANALYSES.—During the year 35 specimens were forwarded to the West Riding Laboratory at Wakefield, viz:—Blood for Enteric Fever, 15; Throat Swabs for Diphtheria 17, Sputum for Tuberculosis Bacillus 2; Urine 1.

SCAVENGING.—This work carried out by the Council's staff has been on the whole satisfactory.

It would be a much needed improvement if more of the larger privy middens could be emptied during the night or early in the morning when there are few people about.

SEWERAGE.—The new system of Sewerage disposal for Oakenshaw Ward is now well on the way to completion and I hope will finally dispose of any complaints from that district.

SMOKE NUISANCE.—This very decided nuisance has been worse than ever this year and the amount of Black Smoke turned out has been very excessive. It has been proved I think that it is quite possible to reduce the emission of Black Smoke without causing inconvenience to the user.

I fear, however, till soot becomes more valuable it will continue to be belched forth to the damage of our buildings and to the injury of the public health.

In the North District at times there is a veritable Coal Mine in the air.

DESTRUCTION OF REFUSE.—The Refuse Destructor continues to do good work, and figures relating to it will be found in the Sanitary Inspector's report.

31st
Dec.,
1910

OTHER STATISTICS.

HORSE AMBULANCE.—The Horse Ambulance has been used on 10 occasions for accidents and 16 times for the removal of invalids, a total of 26 times for the year. From the 3rd September, 1897 to date, it has been out on service 319 times, 113 for accidents, and 206 for invalids.

VACCINATION.—By the courtesy of the Vaccination Officer I have been enabled to tabulate the following figures.

				1910.	1909.	1908
Infants Registered	...	...	...	254	253	259
„ Vaccinated at end of year	...			47	83	102
„ Deceased prior to possibility of						
Vaccination	...	...	...	14	12	16
Postponements, Removals and Unvaccinated				74	28	37
Certificates of Conscientious Objections	...			119	130	104
			TOTALS	...	254	253 259

From the above figures it will be noted that only 47 infants out of 254 have been vaccinated.

The remarkable extent to which the Act which was passed in the interests of “conscientious objectors” has been taken advantage of has given rise to an exceedingly grave state of affairs and a population is being prepared amongst which Small Pox would spread in a manner of which this generation has had no experience.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910

Fortunately at present the Country is free from Small Pox but if an outbreak should arise it would be a serious menace to the community and entail a large expense to the public.

RAINFALL FOR PAST THREE YEARS.

TEMPERATURE.

Month.	1910.	1909.	1908.	1910.		1909.		1908.	
				Max.	Min.	Max.	Min.	Max.	Min.
January ...	4.29 in.	1.73 in.	1.78 in.	50	13	48	19	52	20
February .	3.34 "	0.65 "	2.55 "	49	30	51	27	49	30
March ...	0.43 "	3.05 "	3.12 "	54	30	56	23	52	29
April ...	2.48 "	2.81 "	2.43 "	56	27	66	31	58	26
May ...	2.01 "	2.09 "	2.01 "	68	35	72	31	72	40
June ...	4.34 "	3.61 "	1.39 "	74	44	63	35	78	42
July ...	2.60 "	3.03 "	2.80 "	70	44	70	44	80	46
August ...	3.39 "	2.72 "	1.84 "	68	48	72	46	72	46
September	0.18 "	3.23 "	3.01 "	66	39	60	40	70	42
October ...	1.98 "	2.74 "	1.49 "	66	37	60	26	73	42
November	1.45 "	0.41 "	1.67 "	48	26	54	26	56	33
December	2.96 "	6.18 "	1.23 "	48	28	50	20	50	16
TOTAL ...	32.45 in.	32.25 in.	25.32 in.						

31st
Dec.,
1910.

FACTORY ACT ADMINISTRATION.—Appended are figures and details of the Administration of this Act.

**FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES,
and HOMEWORK.**

1.—INSPECTION.

*Including inspections made by Sanitary Inspectors or Inspectors
of Nuisances.*

PREMISES.	NUMBER OF		
	Inspection.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)...	130	Nil.	Nil.
Workshops (Including Workshop Laundries)	50	Nil.	Nil.
Workplaces (Other than Outworkers' premises included in Part 3 of this Report).	15	Nil.	Nil.
TOTAL	195	Nil.	Nil.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910

2.—DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Act:</i>				
Want of Cleanliness				
Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other Nuisances				
Sanitary Accommodation—				
Insufficient				
Unsuitable or defective	6	6	Nil.	Nil.
Not separate for sexes				
<i>Offences under the Factory and Workshop Act:</i>				
Illegal Occupation of underground bakehouse (s. 101)				
Breach of special sanitary require- ments for bakehouses (s.s. 97 to 100)	1	1		
Other Offences				
TOTAL	7	7	Nil.	Nil.

3.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at end of year.	Number.
Workshops	76
Bakehouses	18
Workplaces	19
Total number of workshops on Register	113

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

4.—OTHER MATTERS.

CLASS.	Number.
Matters notified to H.M. Inspector of Factories:	Nil.
Failure to affix Abstract of the Factory and Workshop Act (S. 133)	Nil.
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5):	
Notified by H.M. Inspector	Nil.
Reports (of action taken) sent to H.M. Inspector	Nil.
Other Matters	Nil.
Underground Bakehouses (S. 101):	Nil.
Certificates granted during the year... ..	Nil.
In use at the end of the year	One.

Table C, 1910. CLECKHEATON SANITARY DISTRICT.

WATER SUPPLY.—Any development during 1910? No.

Developments still needed? None.

Any complaints as to (a) insufficiency? No.

(b) unsatisfactory quality? No.

(c) plumbo solvent action? None.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

SEWERAGE.—Developments during 1910? Main Outfall and New Disposal Works in hand—Oakenshaw Ward.

Developments still needed? At Westfield, at present before L.G.B.

SEWAGE DISPOSAL.—Any complaint as to Outfall Works? No.

SCAVENGING.—Any inadequacy, and where? No.

BY-LAWS AND REGULATIONS.—Any adopted or sanctioned during 1910? No.

ADOPTIVE ACTS.—Any steps taken for the consideration, adoption or application of:—

(a) Notification of Births Act, 1907? Under consideration
Adoption probable.

(b) Public Health Acts Amendment Act, 1907? No
What Sections? None.

(c) Other Adoptive Acts? No.

Regulated Buildings, Trades, &c.	No, in. District.	No. on Register.	Total No. of Inspec- tions made.	General Condition.	Legal Proceed- ings (if any).
Common Lodging Houses ...	0	0	0		
Canal Boats ...	0	0	0		
Slaughter Houses ...	10	10	Frequently	Good	
Cowsheds ...	42	42	Thrice yearly	Fairly good Some over- crowded.	
Milk Purveyors ...	32	53	0		
Offensive Trades ...	0	0	0		

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

COWSHEDS.—Any special inspection made during 1910? No.

What arrangement for Veterinary Inspection of Dairy Cows?
None.

INFECTIOUS DISEASE.—Any suspected spread by rats, dogs, cats, fowls, flies or fleas? No.

What arrangements for supply of Antitoxin? Supply kept at Town Hall, available at any time.

ISOLATION HOSPITAL.—Any observation on adequacy or efficiency?
Adequate.

Is any part used for other purpose than that originally intended? No.

SCHOOLS.—Any investigations undertaken by M.O.H.? Yes.

PREVENTION OF CONSUMPTION.—What system of notification?
Voluntary. Its success? Nil.

What arrangement for treatment of Patients on sanatorium lines? None.

Any Sanitary Inspection of Patients' Houses? Yes.

Any Disinfection of Patients' Houses? Yes.

Any Distribution of Advice? Yes.

Any Action *re* Spitting? No.

Any Disinfection of public rooms, vehicles, etc.? Yes.

HOUSING, TOWN PLANNING, ETC., ACT.—

No. of houses inspected during 1910? None.

No. of houses represented as unfit for habitation? None.

No. of Houses dealt with by Closing Orders? None.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

Are there any other houses unfit for habitation? None.

Is House-to-House Inspection systematically made? Yes.

Are records kept in accordance with the "Housing (Inspection of District) Regulations, 1910"? No.

Are there any working-class dwellings erected by the Sanitary Authority? No.

Any special activity in house building? No.

No. of new houses built during 1910? 24 Cottages and villas. General character? All through houses, with W.C.'s.

INFANTILE MORTALITY.—What organised effort to control it? None.

Is Health Visitor appointed by S.A.? No. By other body? No.

NUISANCES.—

Total No. of Nuisances in hand at close of 1909? 7.

At close of 1910? 6.

Reported during 1910? 86.

Abated during 1910? 87.

Total No. of Legal Notices served for Abatement of Nuisances during 1910? 37.

Total No. of Summonses or other Legal Proceedings? None.

No. of Sink Wastes disconnected during 1910? None.

Trapped? None.

No. of Closets newly constructed during 1910? 76.

Kinds? Overhead flush.

No. of Closets reconstructed during 1910? 2.

Kinds? Improved.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

MISCELLANEOUS:—

Mean Temperature for 1910? 46.

Rainfall? 32.45.

What mortuary accommodation (*a*) for accidents, etc.?
Council at Fire Station.

(*b*) For infectious cases? At Hospital.

No. of burial grounds? 6.

Any need for extensions? No.

Seizures of Unsound Food? 1.

Prosecutions? None.

No. of Samples of Food and Drugs analysed in 1910?
None.

Prosecutions? None.

No. of Smoke observations taken? 2.

Legal Notices? None.

Summonses? None.

BIRTHS DURING 1910.—

Males, 131. Females, 123. Total, 254.

Number illegitimate, included in above? 7.

Number of Still Births (not included) No records.

DEATHS DURING 1910.—

(1) Gross Deaths *i.e.*, Total actually registered in the district,
without any correction? 165.

(2) Nett Deaths, on which the rates are calculated?

Males, 85. Females, 79. Total, 164.

Number uncertified, included in the above? 1 infant.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

SANITARY REQUIREMENTS OF DISTRICT, AND SUGGESTIONS OF
MEDICAL OFFICER OF HEALTH:—

Paving of Streets and Yards.

Accommodation for inmates whilst houses are stoved, &c

TABLE 1.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1910 AND PREVIOUS YEARS.

Year	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-Residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate *	Under 1 Year of Age.		At all Ages.					Number.	Rate *
				Number.	Rate per 1000 Births registered	Number	Rate *					
1		3	4	5	6	7	8	9	10	11	12	13
1906	12865	260	20.20	34	130.7	214	16.63	38	20	10	204	15.07
1907	12930	267	20.64	24	89.8	144	11.13	4	2	2	144	11.13
1908	13000	259	19.92	30	115.8	177	13.61	2	2	4	179	13.61
1909	13070	253	19.35	26	102.7	156	11.93	9	8	5	153	11.70
1910	13135	254	19.33	34	133.8	165	12.56	9	8	7	164	12.48

* Rates in Columns 4, 8 and 13, calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water...1755.

Total Population at all ages, 12520. (1901 Census). Number of inhabited houses, 3051.

Average number of persons per house, 4.10.

31st
Dec.,
1910.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

TABLE II.

**Vital Statistics of Separate Localities in 1910
and Previous Years.**

NAMES OF LOCALITIES.		CLECKHEATON.				SCHOLES.				OAKENSHAW.			
Year.		Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1906...	...	10500	207	172	30	1725	42	20	4	640	11	12	0
1907...	...	10545	216	116	20	1740	42	23	4	645	9	5	0
1908..	...	10600	216	154	20	1750	34	19	2	650	9	6	0
1909...	...	10655	198	129	22	1760	43	17	2	655	12	7	2
1910...	...	10700	207	145	31	1775	35	16	3	660	12	3	0
<i>Institutions within the District receiving sick and infirm persons from outside the District ?</i>						1. North Bierley Joint Hospital, for Infectious Diseases,							
<i>Institutions outside the District receiving sick and infirm persons from the District ?</i>						1. West Riding Lunatic Asylum. 2. Bradford Royal Infirmary. 3. Bradford Eye and Ear Hospital.							
<i>Other Institutions, the deaths in which have been distributed among the several localities in the District ?</i>						Nil.							

Is the Union Workhouse within the District ? No.

31st
Dec.,
1910.

TABLE III.

**Cases of Infectious Disease Notified
during the Year 1910.**

NOTIFIABLE DISEASE.	Cases notified in whole district.							Total Cases notified in each locality			No. of Cases removed to Hospital from each locality.			
	At all Ages.	At Ages—Years.						Cleckheaton.	Scholes.	Oakenshaw.	Cleckheaton.	Scholes.	Oakenshaw.	Total Cases re-moved to Hospital.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.							
Small-pox														
Cholera														
Diphtheria (including Membranous croup)	1	1						1			1			1
Erysipelas	2					1	1	1	1					
Scarlet Fever	28	10	16	1	1			12	14	2	9	13	2	24
Typhus Fever														
Enteric Fever... ..	4			1	1	2		4			2			2
Relapsing Fever														
Continued Fever														
Puerperal Fever														
Plague														
Totals	35	0	11	17	2	4	1	18	15	2	12	13	2	27

*Isolation Hospital: North Bierley Joint Hospital.**Total available Beds: 50. Number of Diseases that can be concurrently treated: 3.*

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910-

TABLE IV.

Causes of, and Ages at, Death during 1910.

CAUSES OF DEATH.				Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.				
				All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.
				2	3	4	5	6
Small-pox	...	...	...		
Measles	...	...	...	2		1	1	
Scarlet Fever	...	...	...		
Whooping-cough	...	...	...	3	3			
Diphtheria (including Membranous croup)	...	...	...	1		1		
Croup	...	...	...		
Fever { Typhus	...	...	...		
Enteric	...	...	...		
Other continued	...	...	...		
Epidemic influenza	...	...	...	1				
Cholera	...	...	...		
Plague	...	...	...		
Diarrhœa	...	...	...	1				
Enteritis	...	...	...	1	1			
Gastritis	...	...	...		
Puerperal Fever	...	...	...		
Erysipelas	...	...	...		
Phthisis (Pulmonary Tuberculosis)	...	...	...	6			1	1
Other tuberculous diseases	...	...	...	9	3	2	2	1
Cancer, malignant disease	...	...	...	9				
Bronchitis	...	...	...	17	2	1		
Pneumonia	...	...	...	5		1		
Pleurisy	...	...	...		
Other diseases of Respiratory organs	...	...	...	5	4	1		
Alcoholism, Cirrhosis of liver	...	...	...		
Venereal diseases	...	...	...		
Premature birth	...	...	...	9	9			
Diseases and accidents of parturition	...	...	...	2				
Heart Diseases	...	...	...	29				
Accidents	...	...	...	9	1	1		
Suicides	...	...	...	1				
All other causes	...	...	...	54	11	8	1	
All causes	...	...	...	164	34	16	5	2

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

TABLE IV.—Continued.

Causes of, and Ages at, Death during year 1910.

CAUSES OF DEATH.	Deaths at subjoined ages, etc.		Deaths at all ages of 'Residents' belonging to localities, whether occurring in or beyond the District.			Total deaths whether of "Residents" or "non-Residents" in Public Institutions in the District.
	25 and under 65	65 and upwards	Cleckh'ton	Scholes	Oak'shaw	
7	8	9	10	11	12	13
Small-pox			2			
Measles						
Scarlet fever			3			
Whooping-cough						
Diphtheria (including Membranous croup)			1			3
Croup						
Fever { Thpuus						
Enteric						
Other continued... ..						
Epidemic influenza		1	1			1
Cholera						
Plague						
Diarrhoea	1			1		
Enteritis			1			
Gastritis						
Puerperal fever						
Erysipelas						
Phthisis (Pulmonary Tuberculosis)	3	1	5	1		
Other tuberculous diseases	1		8	1		
Cancer, malignant disease	9		9			
Bronchitis	4	10	16	1		
Pneumonia	4		4		1	1
Pleurisy						
Other diseases of Respiratory organs			3	2		
Alcoholism, Cirrhosis of liver						
Venereal diseases						
Premature Birth			9			
Diseases and accidents of parturition	2		2			
Heart diseases	17	12	24	4	1	1
Accidents	4	3	8	1		
Suicides		1	1			
All other causes	16	18	48	5	1	3
All causes	61	46	145	16	3	9

31st
Dec.,
1910

TABLE V.

Infantile Mortality during the Year 1910.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.						Under 1 Week.	1-2 Weeks.
ALL CAUSES.	{	Certified	4	0
		Uncertified	1	
i. Common Infectious Diseases.	1	Small-pox		
	2	Chicken-pox	...	...	...
	3	Measles ...	...	...	...
	4	Scarlet Fever	...	...	...
	5	Diphtheria (including Membranous Croup)			...		
	6	Whooping Cough	...	...	...
ii. Diarrhœal Diseases.	7	Diarrhœa, all forms		
	8	Enteritis, Muco-enteritis, Gastro-enteritis			...		
	9	Gastritis, Gastro-intestinal Catarrh ...			...
iii. Wasting Diseases.	10	Premature Birth	5	
	11	Congenital Defects	...	...	...
	12	Injury at Birth	...	...	...
	13	Want of Breast-milk, Starvation			...		
	14	Atrophy, Debility, Marasmus			...		
iv. Tuberculous Diseases.	15	Tuberculous Meningitis		
	16	Tuberculous Peronitis: Tabes Mesenterica			...		
	17	Other Tuberculous Diseases			...		
v. Other causes.	18	Erysipelas		
	19	Syphilis	...	...	...
	20	Rickets ...	...	...	...
	21	Meningitis (<i>not Tuberculous</i>)			...		
	22	Convulsions	...	...	...
	23	Bronchitis	...	...	...
	24	Laryngitis	...	...	...
	25	Pneumonia	...	...	...
	26	Suffocation, overlying	...	...	...
	27	Other causes	...	...	...
TOTAL						5	0

Births in the Year. { Legitimate, 247.
 { Illegitimate, 7.

Deaths in the year of { Legitimate Infants, 33.
 { Illegitimate Infants, 1.

Deaths from all Causes at all Ages, 164.

MEDICAL OFFICER'S ANNUAL REPORT.

31st
Dec.,
1910.

TABLE V.

Infantile Mortality during the Year 1910.*Deaths from stated Causes in Weeks and Months under One Year of Age.*

	2-3 Weeks.	3-4 Weeks	Total under 1 Month.	1-2 Months.	2-3 Months	3-4 Months.	4-5 Months.	5-6 Months	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year.
No	0	2	6	3	4	4	2	2	1	1	0	4	2	4	33 1
1															
2															
3															
4															
5															
6						1						1	1		3
7															
8								1							1
9															
10		1	6	1	2										9
11															
12															
13															
14															
15															
16															
17						1		1						1	3
18															
19															
20															
21					1										1
22		1	1	2	1	1			1			2	1	2	11
23						1	2					1		1	5
24															
25															
26															
27										1					1
	0	2	7	3	4	4	2	2	1	1	0	4	2	4	34

Population: Estimated to middle to 1910, 13135.

31st
Dec.,
1910.

Table showing Population, Births, etc., in some West Riding Towns from
which Returns were received.

TOWN.	POPULA- TION. 1910.	BIRTHS.		DEATHS.		Zymotic Death Rate.	Phthisis Death Rate.	Respira- tory Diseases Death Rate.	Infantile Death per 1000.	No. of Notifica- tions Received.
		No.	Rate. per 1000	No.	Rate per 1000.					
Birstal ...	6750	165	24.44	120	17.77	.88	1.33	2.37	90.0	21
Brighouse ...	22520	403	17.89	264	11.72	1.06	1.06	2.08	89.0	66
Heckmondwike ...	9258	145	15.66	89	9.61	0.0	.32	1.72	62.0	14
Liversedge ...	15350	348	22.6	189	11.3	1.1	2.1	.38	114.9	65
Mirfield ...	11059	219	19.8	147	13.2	.9	.7	1.6	114.1	72
Pudsey ...	13900	275	19.7	185	13.2	.71	.20	1.3	98.0	64
Gomersal ...	4260	70	16.43	54	12.67	.70	.70	1.64	71.0	39
Cleckheaton ...	13135	254	19.33	164	12.48	.53	.45	2.05	133.8	35

JOHN A. SUTHERLAND, M.B., C.M.,
MEDICAL OFFICER OF HEALTH.